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## Bayley-III Special Needs Addition

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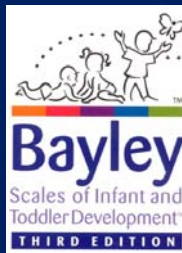
# Bayley-III Special Needs Addition



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# Introduction

- Bayley Scales of Infant and Toddler Development – Third Edition
  - 1- 42 months
  - Cognition                  Language comprehension                  Fine motor
  - Language expression                  Gross motor

- Review article: overview of contemporary developmental assessment instruments

**Conclusion: need for appropriate instrument for children with special needs**

- Aim of current research: development of Bayley-III-NL-SNA

## Methods

## Special Needs Addition

### 3 adapted versions:

- Low motor / low vision
- Non-verbal
- Dynamic



## Pilot

- $n = 15$  per version

## Main research

- n = 50 low motor / vision & non-verbal
- n = 85 dynamic version
- n = 500 standard version

## Results

## Pilot

## Research questions to be answered:

- Are materials, instructions and procedures useful and appropriate?
- Do the children benefit from the adjustments?

## Main research

## Research aims:

- Check whether:
  - Children with special needs benefit from the adjustments
  - Item difficulty remains unchanged
- Development of an adaptive testing procedure
- Check whether trichotomous scoring improves reliability